

**National Transportation Safety Board
Washington, DC 20594**

Brief of Accident

Adopted 02/25/2003

SEA02LA047 File No. 12702		03/03/2002	Longmont, CO	Aircraft Reg No. N5413J	Time (Local): 11:00 MST		
Make/Model:	Cessna / 172N				Fatal	Serious	Minor/None
Engine Make/Model:	Lycoming / O-320			Crew	0	0	1
Aircraft Damage:	Substantial			Pass	0	0	0
Number of Engines:	1						
Operating Certificate(s):	On-demand Air Taxi						
Type of Flight Operation:	Instructional						
Reg. Flight Conducted Under:	Part 91: General Aviation						
Last Depart. Point:	Boulder, CO			Condition of Light:	Day		
Destination:	Same as Accident/Incident Location			Weather Info Src:	Pilot		
Airport Proximity:	On Airport			Basic Weather:	Visual Conditions		
Airport Name:	Vance Brand			Lowest Ceiling:	None		
Runway Identification:	29			Visibility:	40.00 SM		
Runway Length/Width (Ft):	4800 / 75			Wind Dir/Speed:	290 / 010 Kts		
Runway Surface:	Concrete			Temperature (°C):	4		
Runway Surface Condition:	Ice			Precip/Obscuration:	None / None		
Pilot-in-Command	Age: 37			Flight Time (Hours)			
Certificate(s)/Rating(s)				Total All Aircraft:	38		
Student				Last 90 Days:	38		
Instrument Ratings				Total Make/Model:	34		
None				Total Instrument Time:	UnK/Nr		

The student pilot, who was flying solo at the time of the accident, reported that the landing runway was icy at the time of the landing. He reported that he attempted a soft field landing at 60 knots. He stated that he slowed to 30 knots, at which point the aircraft hit a patch of ice. He reported that the airplane skidded to the left, the nosewheel hit a large mound of snow, and the airplane flipped onto its back. The student pilot reported that no mechanical failure or malfunction was involved in the accident.

Brief of Accident (Continued)

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Longmont, CO

Aircraft Reg No. N5413J

Time (Local): 11:00 MST

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: LANDING - ROLL

Findings

1. (F) AIRPORT FACILITIES,RUNWAY/LANDING AREA CONDITION - ICY
 2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
 3. (F) LACK OF EXPERIENCE - PILOT IN COMMAND
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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

Findings

4. (F) TERRAIN CONDITION - SNOWBANK
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Occurrence #3: NOSE OVER

Phase of Operation: LANDING - ROLL

Findings Legend: (C) = Cause, (F) = Factor

The National Transportation Safety Board determines the probable cause(s) of this accident as follows.

The student pilot's failure to maintain directional control during landing. Factors included the student pilot's lack of experience, an icy runway, and a mound of snow adjacent to the runway.